

What is claimed is:

1. An optical interconnection sheet comprising:

(a) at least one channel in which at least one optical fiber or an optical fiber ribbon cable can be inserted for use; and

(b) a layered structure for maintaining the channel substantially in a two-dimensional plane by holding the channel in such a manner that both ends of the channel at least reach respective edges of the optical interconnection sheet.

2. An optical interconnection sheet according to claim 1, wherein the layered structure includes two adhesive layers sandwiching the channel.

3. An optical interconnection sheet according to claim 1, wherein the layered structure includes an adhesive layer on one side of the channel and a resin layer on the other side of the channel.

4. An optical interconnection sheet according to any one of claims 1 to 3, wherein the channel has an inner diameter and surface hardness so as to maintain a gap between the inner diameter of the channel and the optical fiber as to allow the optical fiber to move within the channel when the optical fiber is being inserted therein.

5. An optical interconnection sheet according to any one of claims 1 to 4, wherein the channel is a heat shrinkable channel.

6. An optical interconnection sheet according to any one of claims 1 to 5, further comprising at least one optical fiber or an optical fiber ribbon cable inserted in at least one of the channels.

7. An optical interconnection sheet according to any one

of claims 1 to 6, further comprising at least one optical fiber directly held in the layered structure.